State of New Jersey

CHRIS CHRISTIE
Governor

KIM GUADAGNO
Lt. Governor

DEPARTMENT OF ENVIRONMENTAL PROTECTION
Mail Code – 401-02B
Division of Water Quality
Bureau of Surface Water Permitting
P.O. Box 420 – 401 E State St
Trenton, NJ 08625-0420
Phone: (609) 292-4860 / Fax: (609) 984-7938

BOB MARTIN
Commissioner

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
7003 2260 0001 3064 1029

Kevin Nugent, HSE Director
Bayonne Dry Dock & Repair Co Inc.
P.O. Box 240
Bayonne, NJ 07002-0240

Re: Final Surface Water Renewal Permit Action
Category: B - Industrial Wastewater
NJPDES Permit No. NJ0225746
Bayonne Dry Dock & Repair Co.
Bayonne City, Hudson County

Dear Mr. Nugent:

Enclosed is a **final** New Jersey Pollutant Discharge Elimination System (NJPDES) permit action identified above which has been issued in accordance with N.J.A.C. 7:14A. This permit authorizes the permittee to discharge a current long-term average flow of 0.04 million gallons per day of sump pump water from dry dock activities occurring at a full service ship repair yard. Comments were received on the draft permit issued on May 1, 2014. The thirty (30) day public comment period ended on June 1, 2014.

A summary of the significant and relevant comments received on the draft action during the public comment period, the Department's responses, and an explanation of any changes from the draft action have been included in the Response to Comments document attached hereto as per N.J.A.C. 7:14A-15.16.

Any requests for an adjudicatory hearing shall be submitted in writing by certified mail, or by other means which provide verification of the date of delivery to the Department, within 30 days of receipt of this Surface Water Renewal Permit Action in accordance with N.J.A.C. 7:14A-17.2. You may also request a stay of any contested permit condition, which must be justified as per N.J.A.C. 7:14A-17.6 et seq. The adjudicatory hearing request must be accompanied by a completed Adjudicatory Hearing Request Form; the stay request must be accompanied by a completed Stay Request Form. Copies of these forms can be downloaded from the Department's website at http://www.nj.gov/dep/dwq.

As per N.J.A.C. 7:14A-4.2(e)3, any person planning to continue discharging after the expiration date of an existing NJPDES permit shall file an application for renewal at least 180 calendar days prior to the expiration of the existing permit.

All monitoring shall be conducted in accordance with 1) the Department's "Field Sampling Procedures Manual" applicable at the time of sampling (N.J.A.C. 7:14A-6.5(b)4), and/or 2) the method approved by the Department in Part IV of the permit. The Field Sampling Procedures Manual is available at http://www.nj.gov/dep/srp/guidance/fspm/.

As a result of this permit action, your monitoring report forms (MRFs) have been changed and will be mailed to your current MRF recipient. Beginning the effective date of this permit action, please use the new forms. If these revised forms are not received within 2 weeks, please contact the Office of Permit Management at (609) 984-4428 for copies.

For your convenience, a schedule of submittal requirements has been included with this permit package.

Questions or comments regarding the final action should be addressed to Robert Hall at (609) 292-4860.

Sincerely,

Pilar Patterson, Chief
Bureau of Surface Water Permitting

Enclosures

cc: Permit Distribution List
Masterfile #: 148998; PI #: 95470

Changes to the Permit from Draft to Final

Upon further consideration of some of the technical issues relating to this facility, the Department has incorporated several changes and/or clarifications in this final permit. The Department has determined that all these changes are either in conformance with N.J.A.C. 7:14A-16.5 or are included in the NJPDES Regulations at N.J.A.C. 7:14A-1 et.seq. As a result, these changes do not require reissuance of the draft and a reopening of the public comment period.

- The Department has made a change to the monitoring frequency of Acute WET in Part III from a frequency of annual to a frequency of twice per year. An explanation for this change is included in the Response to Comments document in Response 6.

- The Department is requiring the use of method 1631E for mercury monitoring in accordance with N.J.A.C. 7:9B-15(e)7, as part of the Waste Characterization Requirement (Part III). Inclusion of this method is necessary since this facility discharges to a waterbody that is included in the Total Maximum Daily Load for New York Harbor dated July 26, 1994.

- The Department has included a condition at Part IV, Section G. 4. regarding a prohibition on attaining effluent limitations through dilution. This means that the permittee cannot attain effluent limitations by diluting the effluent with other waters prior to discharge to the receiving waterbody. This condition is in accordance with the NPDES regulations at N.J.A.C. 7:14A-6.2(a)3.

- The Department has included a condition in Part IV, section G.3 regarding the installation and maintenance of an outfall tag at DSN 001A in accordance with N.J.A.C 7:14A-6.2(a)9.

Additional Information on Certain Permit Conditions

The Department maintains that the inclusion of TOC as an oxygen demanding parameter is appropriate and in conformance with the NJPDES Regulations. The TOC limit was originally included in the 2008 NJPDES permit. The regulations at N.J.A.C. 7:14A-12.4(c) allow for the substitution of Total Organic Carbon (TOC) in place of BOD_5. The Department has determined that TOC is a more appropriate test than BOD_5 for this industrial facility as BOD_5 is generally more appropriate for domestic treatment plants. In addition, the Department has selected TOC rather than COD given that there can be chloride ion interferences with the COD test in a saline water environment.

FACILITY SUBMITTALS

1. GDR - General Discharge Requirements

Task Description	Actual Due Date
Submit a Complete Permit Renewal Application	04/03/2019

2. B - Industrial Wastewater

Task Description	Actual Due Date
Submit an Acute Whole Effluent Toxicity Test Report	04/26/2015
Submit an Acute Whole Effluent Toxicity Test Report	10/26/2015
Submit an Acute Whole Effluent Toxicity Test Report	04/26/2016
Submit an Acute Whole Effluent Toxicity Test Report	10/26/2016
Submit an Acute Whole Effluent Toxicity Test Report	04/26/2017
Submit an Acute Whole Effluent Toxicity Test Report	10/26/2017
Submit an Acute Whole Effluent Toxicity Test Report	04/26/2018
Submit an Acute Whole Effluent Toxicity Test Report	10/26/2018
Submit an Acute Whole Effluent Toxicity Test Report	04/26/2019

Table of Contents

New Jersey Department of Environmental Protection
Division of Water Quality
Bureau of Surface Water Permitting

RESPONSE TO COMMENTS

Comments were received on the NJPDES draft Surface Water Renewal Permit Action No. NJ0225746 issued on May 1, 2014. The thirty (30) day public comment period began on May 1, 2014 when the draft permit was issued officially. It ended on June 1, 2014. The following persons commented during the public comment period:

A. Kevin Nugent, HSE Director, Bayonne Drydock and Repair in a letter dated May 30, 2014.

A summary of the timely and significant comments received, the New Jersey Department of Environmental Protection's (Department) responses to these comments, and an explanation of any changes from the draft action have been included below. Please see the attachment to the cover letter for additional changes to the permit that are outside the scope of the comments document.

1. COMMENT:

Under the Fact Sheet on Page 1 of 9, Bayonne Drydock recommends changing Goldborough Drive to be Port Terminal Blvd. Bayonne Drydock has not been given an address other than a P.O. Box number. However, Port Terminal Blvd. is the closest road to Bayonne Drydock and Repair.

RESPONSE:

The Department has researched the location of the facility on Bing Maps. According to Bing Maps, Port Terminal Blvd. turns into Goldborough Drive after Flagship Street which is west of the facility on the peninsula. Therefore, the official name of the street at the location where Bayonne Drydock and Repair is located at is Goldborough Drive.

No change has been made to the final permit as a result of this comment.

2. COMMENT:

Under the Fact Sheet on Page 2 of 9, it is noted that the discharge DSN 001A is a 6" pipe. This should be changed to be an 8" pipe.

RESPONSE:

The Department hereby notes this correction to the Facility Description. The pertinent section of the Fact Sheet is as follows with the change noted with underline and the deletion noted with strikethrough:

> Wastewater from DSN 001A consists of discharges from the sump pumps that are located inside the dry-dock which discharge into the harbor. The water is discharged on an intermittent basis from a 8 ~~6~~ inch non-submerged pipe and can contain water from the leaking caisson gate, water from the washing of boat hulls, various other leaking water, firehose testing, and stormwater. Wastewater may include paint chips (containing metals), spent abrasives (copper slag), cleaning/paint stripping solvents, ship surface contaminants, bilge and ballast tank residuals, rinse water, waste equipment cleaning water, and overspray from painting operations (containing paint pigments and solvents).

Since the Fact Sheet is not a part of the final permit action, this change is hereby being incorporated into the Administrative Record.

3. COMMENT:

Under the Fact Sheet, Summary of Permit Conditions, the bottom of Page 3 of 9, the permit requires there to be one sample taken per month for Total Organic Carbon (TOC) and yet the permit requires there to be a "daily maximum" and a "monthly average." When one sample is taken, there is no maximum and no average as there will be only one reading. The one reading will have to be recorded as the maximum as well as the average reading. This should be changed where the reporting requirement for monthly average should be removed.

RESPONSE:

The Department is aware that the monthly average is equivalent to the daily maximum when there is only one sample taken during a monthly monitoring period. However, because the permittee always has the option to conduct additional sampling during the monitoring period monthly average reporting is appropriate. Requiring a monthly average and daily maximum is routine for all NJPDES permits within the State and the Department does not believe it is necessary to remove this requirement from this permit.

No change has been made to the final permit as a result of this comment.

4. COMMENT:

Under the Fact Sheet, Summary of Permit Conditions, the bottom of Page 3 of 9, the permit requires there to be one sample taken per month for Total Suspended Solids (TSS) and yet the permit requires there to be a "daily maximum" and a "monthly average." When one sample is taken, there is no maximum and no average as there will be only one reading. The one reading will have to be recorded as the maximum as well as the average reading. This should be changed where the reporting requirement for monthly average should be removed.

RESPONSE:

This comment concerns a similar issue as described in Comment 3 but for a different parameter. Please refer to Response 3 for the Department's response. No change has been made to the final permit as a result of this comment.

5. COMMENT:

Under the Fact Sheet, Summary of Permit Conditions, the bottom of Page 4 of 9, the permit requires there to be one sample taken per month for Oil and Grease and yet the permit requires there to be a "daily maximum" and a "monthly average." When one sample is taken, there is no maximum and no average as there will be only one reading. The one reading will have to be recorded as the maximum as well as the average reading. This should be changed where the requirement for monthly average should be removed.

RESPONSE:

This comment concerns a similar issue as described in Comment 3 but for a different parameter. Please refer to Response 3 for the Department's response. No change has been made to the final permit as a result of this comment.

6. COMMENT:

Under the Fact Sheet, Summary of Permit Conditions, the bottom of Page 4 of 9, the State acknowledges that over the course of the previous permit cycle Whole Effluent Toxicity (WET) was not found. WET is the basis for the Department to determine that there is a reasonable potential to cause harm to biological life. The Fact Sheet states that based on the test results there is no potential for WET in 2.5 years of sampling at Bayonne Drydock. For this reason, Water Quality Based Effluent Limitations (WQBELs) have not been proposed in the permit. Even though there is proof this sampling isn't necessary, Bayonne Drydock and Repair will still have to accomplish WET sampling once annually. Even when you show something is not needed, apparently a company still has to spend money to get information that is not necessary. This requirement should be removed from the permit.

RESPONSE:

The permittee is correct in that the cause and reasonable potential to cause analysis performed by the Department demonstrated that the permittee's effluent does not show cause and reasonable potential to violate the New Jersey Surface Water Quality Standards (SWQS) for WET. Available WET data for this facility that was used in this analysis is as follows:

ACUTE WET RESULTS for DSN 001A	
End Date of Monthly Monitoring Period	LC50 Test Result (%),*Mysid Bahia*
6/30/08	>100%
11/30/08	>100%
5/31/09	>100%
11/30/09	>100%
5/31/10	>100%
12/31/10	>100%
7/31/11	>100%
11/30/11	>100%

Considering the Permit Summary Table for metals limited in the 2008 permit, effluent data is as follows:

DSN 001A Sump Pump Discharge

PARAMETER	UNITS	AVERAGING PERIOD	WASTEWATER DATA 3/2008-3/2013	EXISTING LIMITS	FINAL LIMITS
Copper, Total Recoverable	µg/L	Monthly Avg. Daily Max.	109.6 780	50 100	50 100
Zinc, Total Recoverable	µg/L	Monthly Avg. Daily Max.	112.07 424	100 200	100 200
Lead, Total Recoverable	µg/L	Monthly Avg. Daily Max.	63.9 536	50 100	50 100

Given the fact that WET organisms are very sensitive to metals in effluent, the Department is unclear as to how the WET data all showed values of >100% and questions whether or not the WET effluent samples are representative samples. In an effort to ensure that the WET effluent samples are representative samples, the Department included the following condition:

"The permittee shall sample the effluent discharged through DSN 001A (dry dock sump pump discharge) prior to discharge into the Upper New York Harbor. Samples shall be taken immediately prior to

discharge through DSN 001A and shall be representative of normal facility operations including times that the facility is sandblasting, painting, welding etc. or when accumulated stormwater is discharged."

Note that this second sentence has been added in this renewal permit to provide additional clarification as to when sampling shall be conducted and what the Department deems as representative. With this additional clarification, the Department has reevaluated this issue and determined that a semi-annual monitoring frequency is appropriate. The Department is interested to examine any effect that operations such as sandblasting, painting welding, etc. may have on the WET results.

A semi-annual monitoring frequency has been included in the final permit for WET.

7. COMMENT:

Under the Fact Sheet, Permit Summary Table, page 8 of 9, there is a list of all existing parameters with existing limits and final limits. As the Department is already aware, the shipyard has worked toward achieving the existing limits over the past five years. We have also explained that our efforts have not always been able to meet some of the limits. Technologies, materials, and processes to meet the Federal and State mandated environmental limits placed on private and government vessels trickle down and are making shipyard work more environmentally taxing. As vessels attempt to meet various regulations they use products with less volatile organic compounds and more solids (Solids = metals). This is good for air emissions but bad for water. The shipyard is at the removal end. So as the EPA presses ship owners to be more air compliant, the shipyard has had to deal with the impacts on water.

Of specific concern are the parameters Copper and Zinc. Zinc is used to protect steel whereas copper is used in paint. The existing discharge limits of 50 ug/L for Copper and 100 ug/L for zinc are levels that need to be raised. The energy, electrically, fuel wise, manpower and equipment used to meet these levels is excessive. The data that the state has now shows that the level has been difficult to achieve.

The Department then places another requirement at the bottom of page 6 of 9 under D. Operator Classification Number regarding the need for a licensed operator for a system that is installed. New costs, new manpower, new equipment with additional costs, and state monitoring with no guarantee that the system will work. With a water volume discharge average of 250 gallons per minute (gpm) the ability to filter microscopic particulates is difficult at best. The Department is aware of this challenge and has not provided a means to meet this level that they set. The shipyard does not work in a bubble, vessel owners can choose to go to other shipyards domestic or abroad. The shipyard cannot pick what paint a vessel has put on its hull years prior, the shipyard has limits to what it can ask the owner to substitute as a coating system now. Knowing all this, the Department still sticks to a number which is unreasonable where instead these numbers need to be raised to 200 ug/L.

RESPONSE:

While the Department recognizes that there have been some reductions in metals loading at DSN 001A, the Department maintains that the facility still has significant compliance issues. In 2013 effluent limit exceedances of the monthly average copper limit of 50 ug/L included values of 164 ug/L in April; 261 ug/L in October and 84 ug/L in November. Additionally, effluent limit exceedances of the monthly average zinc limit of 100 ug/L included values of 121 ug/L in April 2013 and 277 ug/L in October 2013.

The Department maintains that these limits are reasonable and technologically achievable. The first step would be to minimize any materials that may contain copper and zinc materials from getting into the sump. Better housekeeping measures would be beneficial if instituted at the dry dock. For example, absorbent booms could be used to keep the sediments from the drains. If it is impractical to prevent all sediments from entering the sump, appropriate treatment needs to be installed. Such treatment to be considered could include

an equalization tank as well as filtration and/or screening. pH adjustment could also be considered to assist in metals settling. These types of treatment systems are often installed at site remediation projects and result in consistent compliance with effluent limits.

The Department recognizes that there is often a balance between air and water regulations. However, this does not excuse a lack of treatment for effluent. The permittee is responsible for complying with the conditions of its NJPDES permit.

Regarding the licensed operator requirement as included in Part II.B.6., all wastewater treatment systems are required to have a licensed operator. This is a regulatory requirement that has been in place for decades and is pursuant to N.J.A.C. 7:10A-1.1. The Department does not agree that this is a burdensome requirement but rather this requirement assures that the wastewater treatment system is operated properly and effectively.

Finally, the Department does not agree that the copper limit can be increased to 200 ug/L. It is unclear as to what is the regulatory source of this effluent limitation. The existing and effective limitations for copper and zinc have been included in the permit since 2008 and were never contested.

No change has been made to the final permit as a result of this comment.

8. COMMENT:

On page 1 of 3 under B. General Conditions 3. Notification of Non-Compliance - This paragraph works well for oil spill non-compliances because one normally knows when an oil spill occurs and acts accordingly following OPA 90 rules. Namely, a call is made to the Department's hot line while the spill is taking place. An after working hours phone call is routed through the Department's after hour's service and the service can notify an on-call Department employee if needed. This is a time based event. A Department employee can visit the site and note the remedial actions taken.

For the purposes of non-compliance relating to water samples, the shipyard may find out the results 20 to 30 days after the sample was taken. To notify the DEP Hotline about an issue that took place days after the date of water sampling accomplishes what end? What gain is accomplished by calling the hotline days or weeks later? The readings from water sampling exceedences are microscopic levels. The requirement is over burdensome, not responsible and should be removed.

RESPONSE:

The commentor is referring to the following language as included in Part II:

a. The permittee shall notify the Department of all non-compliance when required in accordance with N.J.A.C. 7:14A-6.10 by contacting the DEP HOTLINE at 1-877-WARNDEP (1-877-927-6337).
b. The permittee shall submit a written report as required by N.J.A.C. 7:14A-6.10 within five days.

The Department recognizes that laboratory analytical results do have some lead time before the permittee may be aware of a non-compliance. Nonetheless, the DEP Hotline is required to be called so that the event can be tracked. This hotline is manned 24 hours a day and the Department maintains that it is not a burdensome requirement. This hotline notification requirement is a component of all NJPDES permits and cannot be removed from the permit.

No change has been made to the final permit as a result of this comment.

9. COMMENT:

On page 1 of 3 under B. General Conditions 4. Notification of Change - This condition implies that the Department wants to micromanage companies. For example: if a 400 gpm sump pump fails and a replacement unit must be purchased but the unit is no longer available, the next type of pump that will fit the housing, electrical supply and minimum gpm must be considered. Is the permittee required to clear the purchasing of the next available pump with the Department? This is an over burdensome requirement and should not be required.

RESPONSE:

The Department does not agree with the commentor's assertion regarding the intent of this language. Specifically, the language in question (Part II.B.4.a.) is written as follows:

> The permittee shall give written notification to the Department of any planned physical or operational alternations or additions to the permitted facility when the alteration is expected to result in a significant change in the permittee's discharge and/or residuals use or disposal practices including the cessation of discharge in accordance with N.J.A.C. 7:14A-6.7.

This means that the permitee is only required to provide written notice to the Department of changes relating to the NJPDES surface water discharge permit. For example, this could include changes to the permittee's effluent characteristics, such as flow volume or pollutant constituents. Changes, such as those mentioned in the comment, do not require any notification to the Department as they would have no effect on the discharge.

No change has been made to the final permit as a result of this comment.

10. COMMENT:

On page 2 of 3 -Paragraph 6. Operator Certification - It appears that the term "wastewater system" is intended for septic systems and not "wastewater" from discharge DSN 001A. As a result, this condition should not apply to this facility or permit.

RESPONSE:

Wastewater system is intended to mean any installed system that is used for the purposes of treating industrial or domestic wastewater to achieve NJPDES permit conditions. If the permittee chooses to install a treatment system to achieve the permit limitations, the permittee will be required to have a licensed operator to operate the system.

No change has been made to the final permit as a result of this comment.

11. COMMENT:

Under Paragraph G. Custom Requirement on page 5 of 6 of Part IV, there is a requirement to provide an On-Site Facility Activity Log which includes vessel name, owners, type and size, date of work, time on dock, completion of work, type of repair work, type of ship cleaning that occurred and materials used, type of paint stripping (hydro blasting or sandblasting), type of painting activities, (roller, spray paint or both), method of residual waste cleanup and disposal including disposal sites; date and time of any effluent sample taken at DSN 001A.

This information concerning work on the vessels is proprietary and must not be part of the permit. The date and time of the effluent sample is taken from DSN 001A and can be provided. The disposal and disposal sites for the grit materials is already stored and each year the Department inspects that information. The same is true for all hazardous waste and oily waste that is disposed. This permit is for emissions and should not be used to collect data that can be provided to our competitors.

RESPONSE:

The Department does not believe the information being asked for on the On-Site Facility Activity Log is proprietary in nature. The Department is asking that this information be logged and stored on site. Because we are not asking that this information be submitted, it is unclear how there is a concern about proprietary issues or competition. Rather, this is basic information to give the Department a better understanding of the activities that occur at the site so that Department can decide if more frequent inspections are warranted.

No change has been made to the final permit as a result of this comment.

12. COMMENT:

Under Paragraph G. Custom Requirements on page 5 of 6 of Part IV of the permit: Notification of Enforcement of Release of Ship from Drydock. The requirement to send an email notification 48 hours before is not doable. All too often we attempt to meet a schedule and at the last moment the schedule is changed. There are many variables. The business is not run on a time clock when floating is concerned. Vessel owners can announce they will depart the dock as soon as the propeller is fitted 8 hours from now and cancel all other work. The vessel dock departures are due to operational needs of companies and the yard has little impact or control of that. To institute this requirement would handcuff our business and all too often we would not be able to meet this requirement. This requirement should not be part of the NJPDES water permit.

RESPONSE:

Given the significant compliance and housekeeping issues that currently exist at this facility, the Department maintains that this requirement is necessary at this time. Should the permittee improve housekeeping and/or install appropriate treatment, the Department will revisit this requirement at that time. This permit condition simply requires an e-mail notification. However, if the permittee cannot meet the requirement to notify the Department 48 hours prior to release of the ship, the permittee shall notify the Department as soon as possible and include an explanation of why the 48 hour notification was not plausible. The condition in Part IV of the permit has been modified to reflect this and now reads:

> The permittee shall send an email notification to the enforcement case manager at DWQBSWPBDD@dep.nj.gov giving notification at least 48 hours prior to filling the dry dock in preparation of releasing a ship from the dry dock. This will allow for the Department to be notified in the event that they determine it is appropriate to conduct an inspection to ensure that the dry dock has been sufficiently cleaned as per the NJPDES permit requirement.
>
> In the case that it is not operationally plausible due to scheduling to notify the Department 48 hours prior to release of the ship, the permittee shall notify the Department as soon as possible and include an explanation of why a 48 hour notification was not plausible.

NEW JERSEY POLLUTANT DISCHARGE ELIMINATION SYSTEM

The New Jersey Department of Environmental Protection hereby grants you a NJPDES permit for the facility/activity named in this document. This permit is the regulatory mechanism used by the Department to help ensure your discharge will not harm the environment. By complying with the terms and conditions specified, you are assuming an important role in protecting New Jersey's valuable water resources. Your acceptance of this permit is an agreement to conform with all of its provisions when constructing, installing, modifying, or operating any facility for the collection, treatment, or discharge of pollutants to waters of the state. If you have any questions about this document, please feel free to contact the Department representative listed in the permit cover letter. Your cooperation in helping us protect and safeguard our state's environment is appreciated.

Permit Number: NJ0225746

Final: Surface Water Renewal Permit Action

Permittee:

Bayonne Dry Dock & Repair Co. Inc.
P.O. Box 240
Bayonne, NJ 07002-0240

Co-Permittee:

Property Owner:

Bayonne Dry Dock & Repair Co. Inc.
P.O. Box 240
Bayonne, NJ 07002-0240

Location Of Activity:

Bayonne Dry Dock & Repair Co.
Goldsborough Drive
Bayonne, Hudson County

Authorization(s) Covered Under This Approval	Issuance Date	Effective Date	Expiration Date
B - Industrial Wastewater - Renewal			

By Authority of:
Commissioner's Office

DEP AUTHORIZATION
Pilar Patterson, Chief
Bureau of Surface Water Permitting
Division of Water Quality

(Terms, conditions and provisions attached hereto)

PART I
GENERAL REQUIREMENTS:
NJPDES

A. General Requirements of all NJPDES Permits

1. Requirements Incorporated by Reference

a. The permittee shall comply with all conditions set forth in this permit and with all the applicable requirements incorporated into this permit by reference. The permittee is required to comply with the regulations, including those cited in paragraphs b. through e. following, which are in effect as of the effective date of the final permit.

b. General Conditions

Penalties for Violations	N.J.A.C. 7:14-8.1 et seq.
Incorporation by Reference	N.J.A.C. 7:14A-2.3
Toxic Pollutants	N.J.A.C. 7:14A-6.2(a)4i
Duty to Comply	N.J.A.C. 7:14A-6.2(a)1 & 4
Duty to Mitigate	N.J.A.C. 7:14A-6.2(a)5 & 11
Inspection and Entry	N.J.A.C. 7:14A-2.11(e)
Enforcement Action	N.J.A.C. 7:14A-2.9
Duty to Reapply	N.J.A.C. 7:14A-4.2(e)3
Signatory Requirements for Applications and Reports	N.J.A.C. 7:14A-4.9
Effect of Permit/Other Laws	N.J.A.C. 7:14A-6.2(a)6 & 7 & 2.9(c)
Severability	N.J.A.C. 7:14A-2.2
Administrative Continuation of Permits	N.J.A.C. 7:14A-2.8
Permit Actions	N.J.A.C. 7:14A-2.7(c)
Reopener Clause	N.J.A.C. 7:14A-6.2(a)10
Permit Duration and Renewal	N.J.A.C. 7:14A-2.7(a) & (b)
Consolidation of Permit Process	N.J.A.C. 7:14A-15.5
Confidentiality	N.J.A.C. 7:14A-18.2 & 2.11(g)
Fee Schedule	N.J.A.C. 7:14A-3.1
Treatment Works Approval	N.J.A.C. 7:14A-22 & 23

c. Operation And Maintenance

Need to Halt or Reduce not a Defense	N.J.A.C. 7:14A-2.9(b)
Proper Operation and Maintenance	N.J.A.C. 7:14A-6.12

d. Monitoring And Records

Monitoring	N.J.A.C. 7:14A-6.5
Recordkeeping	N.J.A.C. 7:14A-6.6
Signatory Requirements for Monitoring Reports	N.J.A.C. 7:14A-6.9

e. Reporting Requirements

Planned Changes	N.J.A.C. 7:14A-6.7
Reporting of Monitoring Results	N.J.A.C. 7:14A-6.8
Noncompliance Reporting	N.J.A.C. 7:14A-6.10 & 6.8(h)
Hotline/Two Hour & Twenty-four Hour Reporting	N.J.A.C. 7:14A-6.10(c) & (d)
Written Reporting	N.J.A.C. 7:14A-6.10(e) &(f) & 6.8(h)
Duty to Provide Information	N.J.A.C. 7:14A-2.11, 6.2(a)14 & 18.1
Schedules of Compliance	N.J.A.C. 7:14A-6.4
Transfer	N.J.A.C. 7:14A-6.2(a)8 & 16.2

PART II

GENERAL REQUIREMENTS: DISCHARGE CATEGORIES

A. Additional Requirements Incorporated By Reference

1. Requirements for Discharges to Surface Waters

a. In addition to conditions in Part I of this permit, the conditions in this section are applicable to activities at the permitted location and are incorporated by reference. The permittee is required to comply with the regulations which are in effect as of the effective date of the final permit.

i. Surface Water Quality Standards N.J.A.C. 7:9B-1

ii. Water Quality Management Planning Regulations N.J.A.C. 7:15

B. General Conditions

1. Scope

a. The issuance of this permit shall not be considered as a waiver of any applicable federal, state, and local rules, regulations and ordinances.

2. Permit Renewal Requirement

a. Permit conditions remain in effect and enforceable until and unless the permit is modified, renewed or revoked by the Department.

b. Submit a complete permit renewal application: 180 days before the Expiration Date.

3. Notification of Non-Compliance

a. The permittee shall notify the Department of all non-compliance when required in accordance with N.J.A.C. 7:14A-6.10 by contacting the DEP HOTLINE at 1-877-WARNDEP (1-877-927-6337).

b. The permittee shall submit a written report as required by N.J.A.C. 7:14A-6.10 within five days.

4. Notification of Changes

a. The permittee shall give written notification to the Department of any planned physical or operational alterations or additions to the permitted facility when the alteration is expected to result in a significant change in the permittee's discharge and/or residuals use or disposal practices including the cessation of discharge in accordance with N.J.A.C. 7:14A-6.7.

b. Prior to any change in ownership, the current permittee shall comply with the requirements of N.J.A.C. 7:14A-16.2, pertaining to the notification of change in ownership.

5. Access to Information

a. The permittee shall allow an authorized representative of the Department, upon the presentation of credentials, to enter upon a person's premises, for purposes of inspection, and to access / copy any records that must be kept under the conditions of this permit.

6. Operator Certification

a. Pursuant to N.J.A.C. 7:10A-1.1 et seq. every wastewater system not exempt pursuant to N.J.A.C. 7:10A-1.1(b) requires a licensed operator. The operator of a system shall meet the Department's requirements pursuant to N.J.A.C. 7:10A-1.1 and any amendments. The name of the proposed operator, where required shall be submitted to the Department at the address below, in order that his/her qualifications may be determined prior to initiating operation of the treatment works.

i. Notifications shall be submitted to:
NJDEP
Bureau of Licensing and Pesticide Operations
Mailcode 401-04E
P.O. Box 420
Trenton, New Jersey 08625-0420
(609) 984-6507.

b. The permittee shall notify the Department of any changes in licensed operator within two weeks of the change.

7. Operation Restrictions

a. The operation of a waste treatment or disposal facility shall at no time create: (a) a discharge, except as authorized by the Department in the manner and location specified in Part III of this permit; (b) any discharge to the waters of the state or any standing or ponded condtion for water or waste, except as specifically authorized by a valid NJPDES permit.

8. Residuals Management

a. The permittee shall comply with land-based sludge management criteria and shall conform with the requirements for the management of residuals and grit and screenings under N.J.A.C. 7:14A-6.15(a), which includes:

i. Standards for the Use or Disposal of Residual, N.J.A.C. 7:14A-20;

ii. Section 405 of the Federal Act governing the disposal of sludge from treatment works treating domestic sewage;

iii. The Solid Waste Management Act, N.J.S.A. 13:1E-1 et seq., and the Solid Waste Management Rules, N.J.A.C. 7:26;

iv. The Sludge Quality Assurance Regulations, N.J.A.C. 7:14C;

v. The Statewide Sludge Management Plan promulgated pursuant to the Water Quality Planning Act, N.J.S.A. 58:11A-1 et seq., and the Solid Waste Management Act, N.J.S.A. 13:1E-1 et seq.; and

vi. The provisions concerning disposal of sewage sludge and septage in sanitary landfills set forth at N.J.S.A. 13:1E-42 and the Statewide Sludge Management Plan.

vii. Residual that is disposed in a municipal solid waste landfill unit shall meet the requirements in 40 CFR Part 258 and/or N.J.A.C. 7:26 concerning the quality of residual disposed in a municipal solid waste landfill unit. (That is, passes the Toxicity Characteristic Leaching Procedure and does not contain "free liquids" as defined at N.J.A.C. 7:14A-1.2.)

b. If any applicable standard for residual use or disposal is promulgated under section 405(d)of the Federal Act and Sections 4 and 6 of the State Act and that standard is more stringent than any limitation on the pollutant or practice in the permit, the Department may modify or revoke and reissue the permit to conform to the standard for residual use or disposal.

c. The permittee shall make provisions for storage, or some other approved alternative management strategy, for anticipated downtimes at a primary residual management alternative. The permittee shall not be permitted to store residual beyond the capacity of the structural treatment and storage components of the treatment works. N.J.A.C. 7:14A-20.8(a) and N.J.A.C. 7:26 provide for the temporary storage of residuals for periods not exceeding six months, provided such storage does not cause pollutants to enter surface or ground waters of the State. The storage of residual for more than six months is not authorized under this permit. However, this prohibition does not apply to residual that remains on the land for longer than six months when the person who prepares the residual demonstrates that the land on which the residual remains is not a surface disposal site or landfill. The demonstration shall explain why residual must remain on the land for longer than six months prior to final use or disposal, discuss the approximate time period during which the residual shall be used or disposed and provide documentation of ultimate residual management arrangements. Said demonstration shall be in writing, be kept on file by the person who prepares residual, and submitted to the Department upon request.

d. The permittee shall comply with the appropriate adopted District Solid Waste or Sludge Management Plan (which by definition in N.J.A.C. 7:14A-1.2 includes Generator Sludge Management Plans), unless otherwise specifically exempted by the Department.

e. The preparer must notify and provide information necessary to comply with the N.J.A.C. 7:14A-20 land application requirements to the person who applies bulk residual to the land. This shall include, but not be limited to, the applicable recordkeeping requirements and certification statements of 40 CFR 503.17 as referenced at N.J.A.C 7:14A-20.7(j).

f. The preparer who provides biosolids to another person who further prepares the biosolids for application to the land must provide this person with notification and information necessary to comply with the N.J.A.C. 7:14A-20 land application requirements.

g. Any person who prepares bulk residual in New Jersey that is applied to land in a State other than New Jersey shall comply with the requirement at N.J.A.C. 7:14A-20.7(b)1.ix to submit to the Department written proof of compliance with or satisfaction of all applicable statutes, regulations, and guidelines of the state in which land application will occur.

PART III
LIMITS AND MONITORING REQUIREMENTS

MONITORED LOCATION:	RECEIVING STREAM:	STREAM CLASSIFICATION:	DISCHARGE CATEGORY(IES):
001A SW Outfall	Upper New York Bay	SE2(C2)	B - Industrial Wastewater

Location Description

The permittee shall sample the effluent discharged through DSN 001A (dry dock sump pump discharge) prior to discharge into the Upper New York Harbor. Samples shall be taken immediately prior to discharge through DSN 001A and shall be representative of normal facility operations including times that the facility is sandblasting, painting, welding etc or when accumulated stormwater is discharged.

Contributing Waste Types

Process Water, Storm Water Runoff, Washwater

Consolidated DMR Reporting Requirements:

Submit a Monthly DMR: within twenty-five days after the end of every month beginning from the effective date of the permit (EDP).

Comments:

The drydock shall be cleaned of all residuals materials before discharge to DSN 001A can occur. Specifically, all source material and residual must be removed. If a treatment system is installed, the dry dock should be pressure washed to ensure the drydock is free of all source materials before it is filled with bay water

Table III - A - 1: Consolidated DMR Limits and Monitoring Requirements

PHASE: Final **PHASE Start Date:** **PHASE End Date:**

Parameter	Sample Point	Limit	Limit	Units	Limit	Limit	Limit	Units	Frequency	Sample Type
Flow, In Conduit or Thru Treatment Plant	Effluent Gross Value	REPORT Monthly Average	REPORT Daily Maximum	MGD	*****	*****	*****	*****	Continuous	Metered
January thru December	QL	***	***		***	***	***			
pH	Effluent Gross Value	*****	*****	*****	6.0 Instant Minimum	*****	9.0 Instant Maximum	SU	1/Month	Grab
January thru December	QL	***	***		***	***	***			
Solids, Total Suspended	Effluent Gross Value	*****	*****	*****	*****	REPORT Monthly Average	100 Daily Maximum	MG/L	1/Month	Grab
January thru December	QL	***	***		***	***	***			
Oil and Grease	Effluent Gross Value	*****	*****	*****	*****	10 Monthly Average	15 Daily Maximum	MG/L	1/Month	Grab
January thru December	QL	***	***		***	***	***			

Consolidated DMR Reporting Requirements:

Submit a Monthly DMR: within twenty-five days after the end of every month beginning from the effective date of the permit (EDP).

Comments:

The drydock shall be cleaned of all residuals materials before discharge to DSN 001A can occur. Specifically, all source material and residual must be removed. If a treatment system is installed, the dry dock should be pressure washed to ensure the drydock is free of all source materials before it is filled with bay water

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Table III - A - 1: Consolidated DMR Limits and Monitoring Requirements

PHASE: Final **PHASE Start Date:** **PHASE End Date:**

Parameter	Sample Point	Limit	Limit	Units	Limit	Limit	Limit	Units	Frequency	Sample Type
LC50 Statre 96hr Acu Mysid Bahia	Effluent Gross Value	*****	*****	*****	REPORT Report Per Minimum	*****	*****	%EFFL	2/Year	Composite
January thru December	QL	***	***		***	***	***			
Carbon, Tot Organic (TOC)	Effluent Gross Value	*****	*****	*****	*****	REPORT Monthly Average	50 Daily Maximum	MG/L	1/Month	Grab
January thru December	QL	***	***		***	***	***			
Manganese, Total Recoverable	Effluent Gross Value	*****	*****	*****	*****	REPORT Monthly Average	REPORT Daily Maximum	UG/L	1/Month	24 Hour Composite
January thru December	QL	***	***		***	***	***			
Arsenic, Total Recoverable (as As)	Effluent Gross Value	*****	*****	*****	*****	50 Monthly Average	100 Daily Maximum	UG/L	1/Month	24 Hour Composite
January thru December	QL	***	***		***	***	***			
Zinc, Total Recoverable	Effluent Gross Value	*****	*****	*****	*****	100 Monthly Average	200 Daily Maximum	UG/L	1/Month	24 Hour Composite
January thru December	RQL	***	***		***	30	30			
Lead, Total Recoverable	Effluent Gross Value	*****	*****	*****	*****	50 Monthly Average	100 Daily Maximum	UG/L	1/Month	24 Hour Composite
January thru December	RDL	***	***		***	10	10			
Chromium, Total Recoverable	Effluent Gross Value	*****	*****	*****	*****	REPORT Monthly Average	REPORT Daily Maximum	UG/L	1/Month	24 Hour Composite
January thru December	RQL	***	***		***	10	10			

Consolidated DMR Reporting Requirements:

Submit a Monthly DMR: within twenty-five days after the end of every month beginning from the effective date of the permit (EDP).

Comments:

The drydock shall be cleaned of all residuals materials before discharge to DSN 001A can occur. Specifically, all source material and residual must be removed. If a treatment system is installed, the dry dock should be pressure washed to ensure the drydock is free of all source materials before it is filled with bay water

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Table III - A - 1: Consolidated DMR Limits and Monitoring Requirements

PHASE: Final **PHASE Start Date:** **PHASE End Date:**

Parameter	Sample Point	Limit	Limit	Units	Limit	Limit	Limit	Units	Frequency	Sample Type
Copper, Total Recoverable	Effluent Gross Value	*****	*****	*****	*****	50 Monthly Average	100 Daily Maximum	UG/L	1/Month	24 Hour Composite
January thru December	RQL	***	***		***	10	10			

Consolidated WCR - Semi Annual Reporting Requirements:

Submit a Semi-Annual WCR: within 25 days after the end of the six month monitoring period beginning EDP + 4 years This WCR requirement is only applicable between the effective date of the permit (EDP) + 49 months through EDP + 54 months.

Comments:

The permittee is required to use method 1631E for mercury monitoring. Inclusion of this method is necessary since this facility discharges to a waterbody that is included in the Total Maximum Daily Load (TMDL) for New York Harbor dated July 26, 1994.

Table III - A - 2: Consolidated WCR - Semi Annual Limits and Monitoring Requirements

PHASE: Final **PHASE Start Date:** **PHASE End Date:**

Parameter	Sample Point	Compliance Quantity	Units	Sample Type	Monitoring Period
Cyanide, Total (as CN)	Effluent Gross Value	REPORT RQL = 40	UG/L	Grab	January thru December
Arsenic, Total Recoverable (as As)	Effluent Gross Value	REPORT RQL = 8	UG/L	24 Hour Composite	January thru December
Selenium, Total Recoverable	Effluent Gross Value	REPORT RQL = 10	UG/L	24 Hour Composite	January thru December
Thallium, Total Recoverable	Effluent Gross Value	REPORT RQL = 10	UG/L	24 Hour Composite	January thru December

Consolidated WCR - Semi Annual Reporting Requirements:

Submit a Semi-Annual WCR: within 25 days after the end of the six month monitoring period beginning EDP + 4 years This WCR requirement is only applicable between the effective date of the permit (EDP) + 49 months through EDP + 54 months.

Comments:

The permittee is required to use method 1631E for mercury monitoring. Inclusion of this method is necessary since this facility discharges to a waterbody that is included in the Total Maximum Daily Load (TMDL) for New York Harbor dated July 26, 1994.

Table III - A - 2: Consolidated WCR - Semi Annual Limits and Monitoring Requirements

PHASE: Final **PHASE Start Date:** **PHASE End Date:**

Parameter	Sample Point	Compliance Quantity	Units	Sample Type	Monitoring Period
Nickel, Total Recoverable	Effluent Gross Value	REPORT RQL = 10	UG/L	24 Hour Composite	January thru December
Silver, Total Recoverable	Effluent Gross Value	REPORT RQL = 2	UG/L	24 Hour Composite	January thru December
Cadmium, Total Recoverable	Effluent Gross Value	REPORT RQL = 4	UG/L	24 Hour Composite	January thru December
Chromium, Total Recoverable	Effluent Gross Value	REPORT RQL = 10	UG/L	24 Hour Composite	January thru December
Chromium, Hexavalent Dissolved (as Cr)	Effluent Gross Value	REPORT	UG/L	24 Hour Composite	January thru December
Antimony, Total Recoverable	Effluent Gross Value	REPORT RQL = 20	UG/L	24 Hour Composite	January thru December
Mercury Total Recoverable	Effluent Gross Value	REPORT RQL = 1	UG/L	24 Hour Composite	January thru December
Anthracene	Effluent Gross Value	REPORT RQL = 10	UG/L	24 Hour Composite	January thru December
Benzo(b)fluoranthene (3,4-benzo)	Effluent Gross Value	REPORT	UG/L	24 Hour Composite	January thru December
Benzo(k)fluoranthene	Effluent Gross Value	REPORT RQL = 20	UG/L	24 Hour Composite	January thru December
Benzo(a)pyrene	Effluent Gross Value	REPORT RQL = 20	UG/L	24 Hour Composite	January thru December
Bis(2-chloroethyl) ether	Effluent Gross Value	REPORT RQL = 10	UG/L	24 Hour Composite	January thru December
Bis (2-chloroiso-propyl) ether	Effluent Gross Value	REPORT RQL = 10	UG/L	24 Hour Composite	January thru December
Butyl benzyl phthalate	Effluent Gross Value	REPORT RQL = 20	UG/L	24 Hour Composite	January thru December
Chrysene	Effluent Gross Value	REPORT RQL = 20	UG/L	24 Hour Composite	January thru December

Consolidated WCR - Semi Annual Reporting Requirements:

Submit a Semi-Annual WCR: within 25 days after the end of the six month monitoring period beginning EDP + 4 years This WCR requirement is only applicable between the effective date of the permit (EDP) + 49 months through EDP + 54 months.

Comments:

The permittee is required to use method 1631E for mercury monitoring. Inclusion of this method is necessary since this facility discharges to a waterbody that is included in the Total Maximum Daily Load (TMDL) for New York Harbor dated July 26, 1994.

Table III - A - 2: Consolidated WCR - Semi Annual Limits and Monitoring Requirements

PHASE: Final **PHASE Start Date:** **PHASE End Date:**

Parameter	Sample Point	Compliance Quantity	Units	Sample Type	Monitoring Period
Diethyl phthalate	Effluent Gross Value	REPORT RQL = 10	UG/L	24 Hour Composite	January thru December
Dimethyl phthalate	Effluent Gross Value	REPORT RQL = 10	UG/L	24 Hour Composite	January thru December
1,2-Diphenyl-hydrazine	Effluent Gross Value	REPORT	UG/L	24 Hour Composite	January thru December
Fluoranthene	Effluent Gross Value	REPORT RQL = 10	UG/L	24 Hour Composite	January thru December
Fluorene	Effluent Gross Value	REPORT RQL = 10	UG/L	24 Hour Composite	January thru December
Hexachlorocyclo-pentadiene	Effluent Gross Value	REPORT RQL = 10	UG/L	24 Hour Composite	January thru December
Hexachloroethane	Effluent Gross Value	REPORT RQL = 10	UG/L	24 Hour Composite	January thru December
Indeno(1,2,3-cd)-pyrene	Effluent Gross Value	REPORT RQL = 20	UG/L	24 Hour Composite	January thru December
Isophorone	Effluent Gross Value	REPORT RQL = 10	UG/L	24 Hour Composite	January thru December
N-nitrosodiphenyl-amine	Effluent Gross Value	REPORT RQL = 20	UG/L	24 Hour Composite	January thru December
N-nitrosodimethyl-amine	Effluent Gross Value	REPORT RQL = 20	UG/L	24 Hour Composite	January thru December
Nitrobenzene	Effluent Gross Value	REPORT RQL = 10	UG/L	24 Hour Composite	January thru December
Pyrene	Effluent Gross Value	REPORT RQL = 20	UG/L	24 Hour Composite	January thru December
Benzo(a)anthracene	Effluent Gross Value	REPORT RQL = 10	UG/L	24 Hour Composite	January thru December
1,2-Dichlorobenzene	Effluent Gross Value	REPORT RQL = 9	UG/L	Grab	January thru December

Consolidated WCR - Semi Annual Reporting Requirements:

Submit a Semi-Annual WCR: within 25 days after the end of the six month monitoring period beginning EDP + 4 years This WCR requirement is only applicable between the effective date of the permit (EDP) + 49 months through EDP + 54 months.

Comments:

The permittee is required to use method 1631E for mercury monitoring. Inclusion of this method is necessary since this facility discharges to a waterbody that is included in the Total Maximum Daily Load (TMDL) for New York Harbor dated July 26, 1994.

Table III - A - 2: Consolidated WCR - Semi Annual Limits and Monitoring Requirements

PHASE: Final **PHASE Start Date:** **PHASE End Date:**

Parameter	Sample Point	Compliance Quantity	Units	Sample Type	Monitoring Period
1,2,4-Trichloro-benzene	Effluent Gross Value	REPORT RQL = 10	UG/L	24 Hour Composite	January thru December
Dibenzo(a,h) anthracene	Effluent Gross Value	REPORT RQL = 20	UG/L	24 Hour Composite	January thru December
1,3-Dichlorobenzene	Effluent Gross Value	REPORT RQL = 9	UG/L	Grab	January thru December
1,4-Dichlorobenzene	Effluent Gross Value	REPORT RQL = 20	UG/L	Grab	January thru December
2,4-Dinitrotoluene	Effluent Gross Value	REPORT RQL = 10	UG/L	24 Hour Composite	January thru December
3,3'-Dichloro-benzidine	Effluent Gross Value	REPORT RQL = 60	UG/L	24 Hour Composite	January thru December
Bis(2-ethylhexyl) phthalate	Effluent Gross Value	REPORT RQL = 30	UG/L	24 Hour Composite	January thru December
Di-n-butyl phthalate	Effluent Gross Value	REPORT RQL = 20	UG/L	24 Hour Composite	January thru December
Benzidine	Effluent Gross Value	REPORT RQL = 50	UG/L	24 Hour Composite	January thru December
Malathion	Effluent Gross Value	REPORT	UG/L	24 Hour Composite	January thru December
Demeton	Effluent Gross Value	REPORT	UG/L	24 Hour Composite	January thru December
Hexachlorobenzene	Effluent Gross Value	REPORT RQL = 10	UG/L	24 Hour Composite	January thru December
Hexachlorobutadiene	Effluent Gross Value	REPORT RQL = 10	UG/L	24 Hour Composite	January thru December
Mirex	Effluent Gross Value	REPORT	UG/L	24 Hour Composite	January thru December
1,3-Dichloropropene	Effluent Gross Value	REPORT RQL = 7	UG/L	Grab	January thru December

Consolidated WCR - Semi Annual Reporting Requirements:

Submit a Semi-Annual WCR: within 25 days after the end of the six month monitoring period beginning EDP + 4 years This WCR requirement is only applicable between the effective date of the permit (EDP) + 49 months through EDP + 54 months.

Comments:

The permittee is required to use method 1631E for mercury monitoring. Inclusion of this method is necessary since this facility discharges to a waterbody that is included in the Total Maximum Daily Load (TMDL) for New York Harbor dated July 26, 1994.

Table III - A - 2: Consolidated WCR - Semi Annual Limits and Monitoring Requirements

PHASE: Final **PHASE Start Date:** **PHASE End Date:**

Parameter	Sample Point	Compliance Quantity	Units	Sample Type	Monitoring Period
1,2,4,5-Tetrachloro-benzene	Effluent Gross Value	REPORT	UG/L	24 Hour Composite	January thru December
Carbon Tetrachloride	Effluent Gross Value	REPORT RQL = 6	UG/L	Grab	January thru December
1,2-Dichloroethane	Effluent Gross Value	REPORT RQL = 3	UG/L	Grab	January thru December
Bromoform	Effluent Gross Value	REPORT RQL = 8	UG/L	Grab	January thru December
Chloroform	Effluent Gross Value	REPORT RQL = 5	UG/L	Grab	January thru December
Toluene	Effluent Gross Value	REPORT RQL = 6	UG/L	Grab	January thru December
Benzene	Effluent Gross Value	REPORT RQL = 7	UG/L	Grab	January thru December
Acrolein	Effluent Gross Value	REPORT RQL = 50	UG/L	Grab	January thru December
Acrylonitrile	Effluent Gross Value	REPORT RQL = 50	UG/L	Grab	January thru December
Chlorobenzene	Effluent Gross Value	REPORT RQL = 6	UG/L	Grab	January thru December
Chlorodibromomethane	Effluent Gross Value	REPORT RQL = 6	UG/L	Grab	January thru December
Ethylbenzene	Effluent Gross Value	REPORT RQL = 6	UG/L	Grab	January thru December
Methyl Bromide	Effluent Gross Value	REPORT RQL = 9	UG/L	Grab	January thru December
Methylene Chloride	Effluent Gross Value	REPORT RQL = 6	UG/L	Grab	January thru December
Tetrachloroethylene	Effluent Gross Value	REPORT RQL = 9	UG/L	Grab	January thru December

Consolidated WCR - Semi Annual Reporting Requirements:

Submit a Semi-Annual WCR: within 25 days after the end of the six month monitoring period beginning EDP + 4 years This WCR requirement is only applicable between the effective date of the permit (EDP) + 49 months through EDP + 54 months.

Comments:

The permittee is required to use method 1631E for mercury monitoring. Inclusion of this method is necessary since this facility discharges to a waterbody that is included in the Total Maximum Daily Load (TMDL) for New York Harbor dated July 26, 1994.

Table III - A - 2: Consolidated WCR - Semi Annual Limits and Monitoring Requirements

PHASE: Final **PHASE Start Date:** **PHASE End Date:**

Parameter	Sample Point	Compliance Quantity	Units	Sample Type	Monitoring Period
1,1-Dichloroethylene	Effluent Gross Value	REPORT RQL = 6	UG/L	Grab	January thru December
1,1,2-Trichloro-ethane	Effluent Gross Value	REPORT RQL = 6	UG/L	Grab	January thru December
1,1,2,2-Tetrachloro-ethane	Effluent Gross Value	REPORT RQL = 10	UG/L	Grab	January thru December
Bromodichloromethane	Effluent Gross Value	REPORT RQL = 5	UG/L	Grab	January thru December
Vinyl Chloride	Effluent Gross Value	REPORT RQL = 10	UG/L	Grab	January thru December
Trichloroethylene	Effluent Gross Value	REPORT RQL = 5	UG/L	Grab	January thru December
Methoxychlor	Effluent Gross Value	REPORT	UG/L	24 Hour Composite	January thru December
2,4,5-Trichloro-phenol	Effluent Gross Value	REPORT	UG/L	24 Hour Composite	January thru December
Endosulfan Sulfate	Effluent Gross Value	REPORT RQL = 0.08	UG/L	24 Hour Composite	January thru December
Beta Endosulfan	Effluent Gross Value	REPORT RQL = 0.04	UG/L	24 Hour Composite	January thru December
Alpha Endosulfan	Effluent Gross Value	REPORT RQL = 0.02	UG/L	24 Hour Composite	January thru December
Endrin Aldehyde	Effluent Gross Value	REPORT RQL = 0.1	UG/L	24 Hour Composite	January thru December
PCB-1016 (Arochlor 1016)	Effluent Gross Value	REPORT	UG/L	24 Hour Composite	January thru December
2,3,7,8-Tetrachloro-dibenzo-p-dioxin	Effluent Gross Value	REPORT	UG/L	24 Hour Composite	January thru December
4,4'-DDT(p,p'-DDT)	Effluent Gross Value	REPORT RQL = 0.06	UG/L	24 Hour Composite	January thru December

Consolidated WCR - Semi Annual Reporting Requirements:

Submit a Semi-Annual WCR: within 25 days after the end of the six month monitoring period beginning EDP + 4 years This WCR requirement is only applicable between the effective date of the permit (EDP) + 49 months through EDP + 54 months.

Comments:

The permittee is required to use method 1631E for mercury monitoring. Inclusion of this method is necessary since this facility discharges to a waterbody that is included in the Total Maximum Daily Load (TMDL) for New York Harbor dated July 26, 1994.

Table III - A - 2: Consolidated WCR - Semi Annual Limits and Monitoring Requirements

PHASE: Final **PHASE Start Date:** **PHASE End Date:**

Parameter	Sample Point	Compliance Quantity	Units	Sample Type	Monitoring Period
4,4'-DDD(p,p'-DDD)	Effluent Gross Value	REPORT RQL = 0.04	UG/L	24 Hour Composite	January thru December
4,4'-DDE(p,p'-DDE)	Effluent Gross Value	REPORT RQL = 0.04	UG/L	24 Hour Composite	January thru December
Aldrin	Effluent Gross Value	REPORT RQL = 0.04	UG/L	24 Hour Composite	January thru December
Alpha BHC	Effluent Gross Value	REPORT RQL = 0.02	UG/L	24 Hour Composite	January thru December
Beta BHC	Effluent Gross Value	REPORT RQL = 0.04	UG/L	24 Hour Composite	January thru December
Gamma BHC (lindane),	Effluent Gross Value	REPORT RQL = 0.03	UG/L	24 Hour Composite	January thru December
Chlordane	Effluent Gross Value	REPORT RQL = 0.2	UG/L	24 Hour Composite	January thru December
Dieldrin	Effluent Gross Value	REPORT RQL = 0.03	UG/L	24 Hour Composite	January thru December
Endosulfans, Total (alpha and beta)	Effluent Gross Value	REPORT	UG/L	24 Hour Composite	January thru December
Endrin	Effluent Gross Value	REPORT RQL = 0.04	UG/L	24 Hour Composite	January thru December
Toxaphene	Effluent Gross Value	REPORT RQL = 1	UG/L	24 Hour Composite	January thru December
Heptachlor	Effluent Gross Value	REPORT RQL = 0.02	UG/L	24 Hour Composite	January thru December
Heptachlor Epoxide	Effluent Gross Value	REPORT RQL = 0.4	UG/L	24 Hour Composite	January thru December
PCB-1221 (Arochlor 1221)	Effluent Gross Value	REPORT	UG/L	24 Hour Composite	January thru December
PCB-1232 (Arochlor 1232)	Effluent Gross Value	REPORT	UG/L	24 Hour Composite	January thru December

Consolidated WCR - Semi Annual Reporting Requirements:

Submit a Semi-Annual WCR: within 25 days after the end of the six month monitoring period beginning EDP + 4 years This WCR requirement is only applicable between the effective date of the permit (EDP) + 49 months through EDP + 54 months.

Comments:

The permittee is required to use method 1631E for mercury monitoring. Inclusion of this method is necessary since this facility discharges to a waterbody that is included in the Total Maximum Daily Load (TMDL) for New York Harbor dated July 26, 1994.

Table III - A - 2: Consolidated WCR - Semi Annual Limits and Monitoring Requirements

PHASE: Final **PHASE Start Date:** **PHASE End Date:**

Parameter	Sample Point	Compliance Quantity	Units	Sample Type	Monitoring Period
PCB-1242 (Arochlor 1242)	Effluent Gross Value	REPORT	UG/L	24 Hour Composite	January thru December
PCB-1248 (Arochlor 1248)	Effluent Gross Value	REPORT	UG/L	24 Hour Composite	January thru December
PCB-1254 (Arochlor 1254)	Effluent Gross Value	REPORT	UG/L	24 Hour Composite	January thru December
PCB-1260 (Arochlor 1260)	Effluent Gross Value	REPORT	UG/L	24 Hour Composite	January thru December
Polychlorinated Biphenyls (PCBs)	Effluent Gross Value	REPORT	UG/L	24 Hour Composite	January thru December
Chlorpyrifos	Effluent Gross Value	REPORT	UG/L	24 Hour Composite	January thru December
2-Chlorophenol	Effluent Gross Value	REPORT RQL = 20	UG/L	24 Hour Composite	January thru December
2,4-Dichlorophenol	Effluent Gross Value	REPORT RQL = 10	UG/L	24 Hour Composite	January thru December
2,4-Dinitrophenol	Effluent Gross Value	REPORT RQL = 40	UG/L	24 Hour Composite	January thru December
2,4,6-Trichloro-phenol	Effluent Gross Value	REPORT RQL = 20	UG/L	24 Hour Composite	January thru December
4,6-Dinitro-o-cresol	Effluent Gross Value	REPORT RQL = 60	UG/L	24 Hour Composite	January thru December
Phenol Single Compound	Effluent Gross Value	REPORT RQL = 10	UG/L	24 Hour Composite	January thru December
Pentachlorophenol	Effluent Gross Value	REPORT RQL = 30	UG/L	24 Hour Composite	January thru December
Pentachlorobenzene	Effluent Gross Value	REPORT	UG/L	24 Hour Composite	January thru December

Consolidated WCR - Semi Annual Reporting Requirements:

Submit a Semi-Annual WCR: within 25 days after the end of the six month monitoring period beginning EDP + 4 years This WCR requirement is only applicable between the effective date of the permit (EDP) + 49 months through EDP + 54 months.

Comments:

The permittee is required to use method 1631E for mercury monitoring. Inclusion of this method is necessary since this facility discharges to a waterbody that is included in the Total Maximum Daily Load (TMDL) for New York Harbor dated July 26, 1994.

Table III - A - 2: Consolidated WCR - Semi Annual Limits and Monitoring Requirements

PHASE: Final **PHASE Start Date:** **PHASE End Date:**

Parameter	Sample Point	Compliance Quantity	Units	Sample Type	Monitoring Period
Guthion	Effluent Gross Value	REPORT	UG/L	24 Hour Composite	January thru December

PART IV

SPECIFIC REQUIREMENTS: NARRATIVE

Industrial Wastewater

A. MONITORING REQUIREMENTS

1. Standard Monitoring Requirements

a. Each analysis required by this permit shall be performed by a New Jersey Certified Laboratory that is certified to perform that analysis.

b. The Permittee shall perform all water/wastewater analyses in accordance with the analytical test procedures specified in 40 CFR 136 unless other test procedures have been approved by the Department in writing or as otherwise specified in the permit.

c. The permittee shall utilize analytical methods that will ensure compliance with the Quantification Levels (QLs) listed in PART III. QLs include, but are not limited to, Recommended Quantification Levels (RQLs) and Method Detection Levels (MDLs). If the permittee and/or contract laboratory determines that the QLs achieved for any pollutant(s) generally will not be as sensitive as the QLs specified in PART III, the permittee must submit a justification of such to the Bureau of Surface Water Permitting. For limited parameters with no QL specified, the sample analysis shall use a detection level at least as sensitive as the effluent limit.

d. All sampling shall be conducted in accordance with the Department's Field Sampling Procedures Manual, or an alternate method approved by the Department in writing.

e. All monitoring shall be conducted as specified in Part III.

f. All sample frequencies expressed in Part III are minimum requirements. Any additional samples taken consistent with the monitoring and reporting requirements contained herein shall be reported on the Monitoring Report Forms.

g. Monitoring for Wastewater Characterization Report parameters shall be conducted concurrently with the Whole Effluent Toxicity (WET) monitoring, when feasible.

h. Flow shall be measured using a flow meter.

B. RECORDKEEPING

1. Standard Recordkeeping Requirements

a. The permittee shall retain records of all monitoring information, including 1) all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation (if applicable), 2) copies of all reports required by this NJPDES permit, 3) all data used to complete the application for a NJPDES permit, and 4) monitoring information required by the permit related to the permittee's residual use and/or disposal practices, for a period of at least 5 years, or longer as required by N.J.A.C. 7:14A-20, from the date of the sample, measurement, report, application or record.

Industrial Wastewater

b. Records of monitoring information shall include 1) the date, locations, and time of sampling or measurements, 2) the individual(s) who performed the sampling or measurements, 3) the date(s) the analyses were performed, 4) the individual(s) who performed the analyses, 5) the analytical techniques or methods used, and 6) the results of such analyses.

C. REPORTING

1. Standard Reporting Requirements

a. The permittee shall submit all required monitoring results to the Department on the forms provided to them. The Monitoring Report Forms (MRFs) may be provided to the permittee in either a paper format or in an electronic file format. Unless otherwise noted, all requirements below pertain to both paper and electronic formats.

b. Any MRFs in paper format shall be submitted to the following addresses:

i. NJDEP
Division of Water Quality
Office of Permit Management
Mailcode 401-02B
P.O. Box 420
Trenton, New Jersey 08625-0420.

ii. (if requested by the Water Compliance and Enforcement Bureau)
NJDEP: Northern Bureau of Water Compliance and Enforcement
7 Ridgedale Avenue
Cedar Knolls, New Jersey 07927-1112

c. Any electronic data submission shall be in accordance with the guidelines and provisions outlined in the Department's Electronic Data Interchange (EDI) agreement with the permittee. Paper copies must be available for on-site inspection by DEP personnel or provided to the DEP upon written request.

d. All monitoring report forms shall be certified by the highest ranking official having day-to-day managerial and operational responsibilities for the discharging facility.

e. The highest ranking official may delegate responsibility to certify the monitoring report forms in his or her absence. Authorizations for other individuals to sign shall be made in accordance with N.J.A.C. 7:14A-4.9(b).

f. Monitoring results shall be submitted in accordance with the current Discharge Monitoring Report Manual and any updates thereof.

g. If monitoring for a parameter is not required in a monitoring period, the permittee must report "CODE=N" for that parameter.

h. For intermittent discharges, the permittee shall obtain a sample during at least one of the discharge events occurring during a monitoring period.

i. If there are no discharge events during an entire monitoring period, the permittee must notify the Department when submitting the monitoring results. This is accomplished by placing a check mark in the "No Discharge this monitoring period" box on the paper or electronic version of the monitoring report submittal form.

D. SUBMITTALS

1. Standard Submittal Requirements

a. The permittee shall amend the Operation & Maintenance Manual whenever there is a change in the treatment works design, construction, operations or maintenance which substantially changes the treatment works operations and maintenance procedures.

i. NJDEP: Northern Bureau of Water Compliance and Enforcement
7 Ridgedale Avenue
Cedar Knolls, New Jersey 07927-1112

2. Optional Dilution Studies for DSN 001A

a. The permittee shall determine, the critical instream waste concentration (IWC) for the discharge from the facility into the receiving water utilizing applicable scientific methods, including, but not limited to, plume models, and may include field verification. The following USEPA plume models are readily available from NTIS and are acceptable for compliance with this item:
1. PLUME 5. LINE 8. MOBEM
2. OUTPLM 6. PDS 9. PSY
3. DKHDEN 7. PDSM 10. CORMIX 1, 2 and 3
4. MERGE

CORMIX 1, 2, and 3 are available from the Center for Exposure Assessment Modeling, USEPA Region IV, Athens, Georgia. The remaining models are available from NTIS. Use of other models may not be acceptable and would require prior approval from NJDEP.

If the permittee pursues the optional dilution study, the permittee shall submit a workplan to the Department detailing the work to be completed pursuant to N.J.A.C. 7:14A-12.2(c).

If the permittee pursues the optional dilution study, the permittee shall submit a final dilution study report to the Department.

E. FACILITY MANAGEMENT

1. Discharge Requirements

a. The permittee shall discharge at the location(s) specified in PART III of this permit.

b. The permittee shall not discharge foam or cause foaming of the receiving water that: 1) Forms objectionable deposits on the receiving water, 2) Forms floating masses producing a nuisance, or 3) Interferes with a designated use of the waterbody.

c. The permittee's discharge shall not produce objectionable color or odor in the receiving stream.

d. The discharge shall not exhibit a visible sheen.

e. When quantification levels (QL) and effluent limits are both specified for a given parameter in Part III, and the QL is less stringent than the effluent limit, effluent compliance will be determined by comparing the reported value against the QL.

2. Interstate Environmental Commission

a. The permittee shall comply with the Interstate Environmental Commission's (IEC) "Water Quality Regulations." Although no monitoring requirements specific to the IEC are included in this permit, compliance may be determined by the IEC based on its own sampling events. IEC effluent requirements shall not be considered effluent limitations for the purpose of mandatory penalties under N.J.S.A. 58:10A-10.1.

3. Applicability of Discharge Limitations and Effective Dates

a. Surface Water Discharge Monitoring Report (DMR) Form Requirements

i. The final effluent limitations and monitoring conditions contained in PART III for DSN 001A apply for the full term of this permit action.

b. Wastewater Characterization Report (WCR) Form Requirements

i. The final effluent monitoring conditions contained in PART III for DSN 001A apply for the full term of this permit action.

4. Operation, Maintenance and Emergency conditions (This condition only applies when and if the permittee installs treatment works at the facility.)

a. The permittee shall operate and maintain treatment works and facilities which are installed or used by the permittee to achieve compliance with the terms and conditions of this permit as specified in the Operation & Maintenance Manual.

b. The permittee shall develop emergency procedures to ensure effective operation of the treatment works under emergency conditions in accordance with NJAC 7:14A-6.12(d).

5. Toxicity Testing Requirements - Acute Whole Effluent Toxicity

a. The permittee shall conduct toxicity tests on its wastewater discharge in accordance with the provisions in this section. Such testing will determine if appropriately selected effluent concentrations adversely affect the test species.

b. Acute toxicity tests shall be conducted using the test species and method identified in Part III of this permit.

c. Any test that does not meet the specifications of N.J.A.C. 7:18, laboratory certification regulations, must be repeated within 30 days of the completion of the initial test. The repeat test shall not replace subsequent testing required in Part III.

d. The permittee shall resubmit an Acute Methodology Questionnaire within 60 days of any change in laboratory.

e. Submit an acute whole effluent toxicity test report: within twenty-five days after the end of every 6 month monitoring period beginning from the effective date of the permit (EDP). The permittee shall submit toxicity test results on appropriate forms.

f. Test reports shall be submitted to:

i. New Jersey Department of Environmental Protection
Mail Code 401-02B
Division of Water Quality
Bureau of Surface Water Permitting
401 East State Street
P.O. Box 420
Trenton, New Jersey 08625-0420.

F. CONDITIONS FOR MODIFICATION

1. Notification requirements

a. The permittee may request a minor modification for a reduction in monitoring frequency for a non-limited parameter when four consecutive test results of "not detected" have occurred using the specified QL.

2. Causes for modification

a. The Department may modify or revoke and reissue any permit to incorporate 1) any applicable effluent standard or any effluent limitation, including any effluent standards or effluent limitations to control the discharge of toxic pollutants or pollutant parameters such as acute or chronic whole effluent toxicity and chemical specific toxic parameters, 2) toxicity reduction requirements, or 3) the implementation of a TMDL or watershed management plan adopted in accordance with N.J.A.C. 7:15-7.

b. The permittee may request a minor modification to eliminate the monitoring requirements associated with a discharge authorized by this permit when the discharge ceases due to changes at the facility.

G. Custom Requirement

1. On-site Facility Activity Log

a. The permittee shall maintain an on-site log which shall include a minimum of the following information:

Vessel Name or Designation
Vessel Ownership (i.e. Military or Civilian)
Type and size of vessel in dry dock:
Start date of Work:
Estimated time in dry dock:
Completion date of work:
Type of repair work to be done:
Type of ship cleaning that occurred as well as materials used:
Type of paint stripping occurred (e.g. hydroblasting or sandblasting):
Type of painting activities (i.e. roller, spray paint or both):
Methods of residual waste clean-up and disposal including ultimate disposal site:
Date and time of any effluent sample taken at DSN 001A:.

2. Notification to Enforcement of Release of Ship from Dry Dock

a. The permittee shall send an email notification to the enforcement case manager at DWQBSWPBDD@dep.nj.gov giving notification at least 48 hours prior to filling the dry dock in preparation of releasing a ship from the dry dock. This will allow for the Department to be notified in the event that they determine it is appropriate to conduct an inspection to ensure that the dry dock has been sufficiently cleaned as per the NJPDES permit requirement.

   In the case that it is not operationally plausible due to scheduling to notify the Department 48 hours prior to release of the ship, the permittee shall notify the Department as soon as possible and include an explanation of why a 48 hour notification was not plausible.

3. Outfall Tag Requirement

a. The permittee shall install and maintain an outfall tag at DSN 001A consistent with N.J.A.C. 7:14A-6.2(a)9.

4. Requirement to Meet Effluent Limitations Without Dilution

a. In accordance with N.J.A.C. 7:14A-6.2(a)3, the permittee shall not attain any concentration limit by dilution (for example, no permittee shall increase the use of process water or cooling water or otherwise attempt to dilute a discharge as a partial or complete subsitute as adequate treatment to attain permit limitations or water quality standards).